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HOMORANDAM FUE. : Chief, Development Branch, 1970-100/F

SULLEY

: Lat Report 30, Flight Tredning Similator

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- In Proposal provides for a novable cocinit, as in the earliest irrainers, with exphasis on familiarisation with flying qualities and "only those procedural items downed necessary for realistic representation of the flight characteristics." To us, this approach to a similator would certainly be inadequate in any case and particularly so in care. First, the value of a training similator lies in the learning, practice and testing of cockpit procedures. Incomily, the possession of a two seater siverest provides for a far some realistic and faster indoctrination in whiche flying qualities them could ever be approached by any pround similator. The proposed equipment would be, in my opinion, valuable principally in engineering studies of vehicle dynamics and of limited value as a training sid.
- 2. The type of simulator meeded, and I agree to the meed for a simulator, is a static procedural trainer. The trainer should present instrument indications of flight and system conditions throughout the full flight essentage, plus operable matches and ecutrols to allow movement at appropriate times by the trainer. With a trainer of this type both normal and emergency procedures can be practiced and checked on a periodic basis.

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- 4. With the schedule of sironaft deliveries as it exists today there should be no rush to build a simulator.
 - 5. The following recommendations are made:
 - a. The LAC proposal as presented should not be accepted.

b. Dequest should be made to LMC for a procedural trainer

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- c. In west of my malog computer procurement, evold checlate equipment and investigate more than one source. Purchase rather than lease is agreed to as the wat exemptioni procedure.
- 6. This has been coordinated with Special Projects Branch,DFO.

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